

ENCLOSURE SIZE: 72"×72"×12" PANEL SIZE: 68"×68"

| | MAAC CORPORATION 590 TOVER BLVD. |
|-------------------------|-------------------------------------|
| AAL | CAROL STREAM, IL 60188 |
| THERMOFORMING MACHINERY | PH# 630 665 1700 |

| | MAIN EN | CLOSURE | 3888 |
|----------|----------|-------------------------|---------|
| DRAWN BY | DATE: | PATH: K\JB2\03888\ELEC\ | 4 0 00 |
| EAL | 01-02-06 | PG01_ENCLOSURE | 1 of 20 |

| A B | A B | A B | A B | A B | A B | A B | A B | А В |
|------|--------|------------|------------|------------|------------|--------|----------|----------|
| 0 B | 16 (в | € 14 в | C B | 6 12 в | 6 B | с 14 в | в 1 | 6 в |
| C A | C A | C A | C A | £ A | ű A | C A | C A | C A |
| A B | A B | А 8 В | A 5 B | A 2 B | a 5 B | А 8 В | A B | A B |
| © B | C B | A B | A B | А В | А В | А В | (B | C B |
| 11 A | 10 A | в 7 с | в 4 с | в 1 с | в 4 0 | в 7 с | 10 | © A 11 |
| A B | A B | B 0 | B 0 | B C | B 0 | ВС | A B | A B |
| B 3 | C. B | A 9 0 | A 6 0 | A 3 C | 4 6 C | A 9 C | B 3 | C B |
| C A | C A | A C | A 0 | A C | A C | A C | A | C A |
| A B | A B | A B | А В | A B | A B | A B | A B | A B |
| 6 B | 7 с в | с 15 в | C B | с 13 в | C B | с 15 в | | 7 с в |
| C A | C A | A | C A | (A | C A | C A | 3 C A | <u> </u> |

PER HALF OVEN

| | AMP DRAW @ 480∨ | 97.54 A |
|---|--------------------|---------|
| | | 108 |
| | ZONES | 17 |
| 3 | 3 POLE TERM. BLKS. | 26 |
| | | 15 |

PER ZONE

| ZONE # | PHASE | AMPS | FUSE | WIRE |
|---------|-------|--------|------|--------|
| ZONE 1 | | 3.12A | 5A | 16 AWG |
| ZONE 2 | | 3.12A | 5A | 16 AWG |
| ZDNE 3 | | 3.12A | 5A | 16 AWG |
| ZONE 4 | | 6,25A | 10A | 16 AWG |
| ZONE 5 | | 6.25A | 10A | 16 AWG |
| ZONE 6 | | 6.25A | 10A | 16 AWG |
| ZONE 7 | | 6.25A | 10A | 16 AWG |
| ZONE 8 | | 6.25A | 10A | 16 AWG |
| ZONE 9 | | 6.25A | 10A | 16 AWG |
| ZONE 10 | 3 | 10.83A | 15A | 14 AWG |
| ZONE 11 | 3 | 10.83A | 15A | 14 AWG |
| ZONE 12 | 3 | 8.12A | 15A | 14 AWG |
| ZONE 13 | 3 | 8.12A | 15A | 14 AWG |
| ZONE 14 | 3 | 5.42A | 7A | 16 AWG |
| ZONE 15 | 3 | 5.42A | 7A | 16 AWG |
| ZONE 16 | 3 | 10.83A | 15A | 14 AWG |
| ZONE 17 | 3 | 10.83A | 15A | 14 AWG |

TOP OVEN

3888

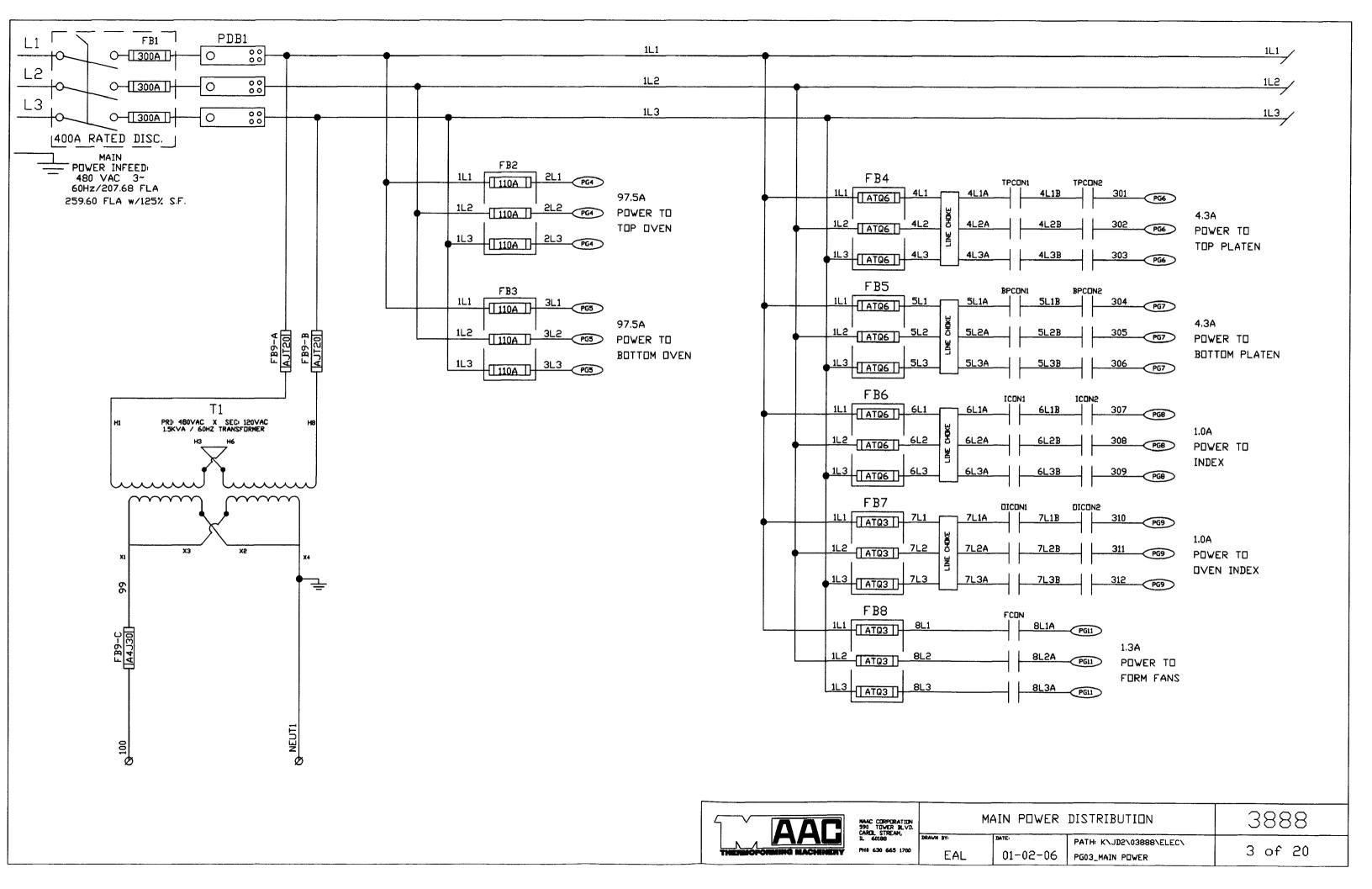


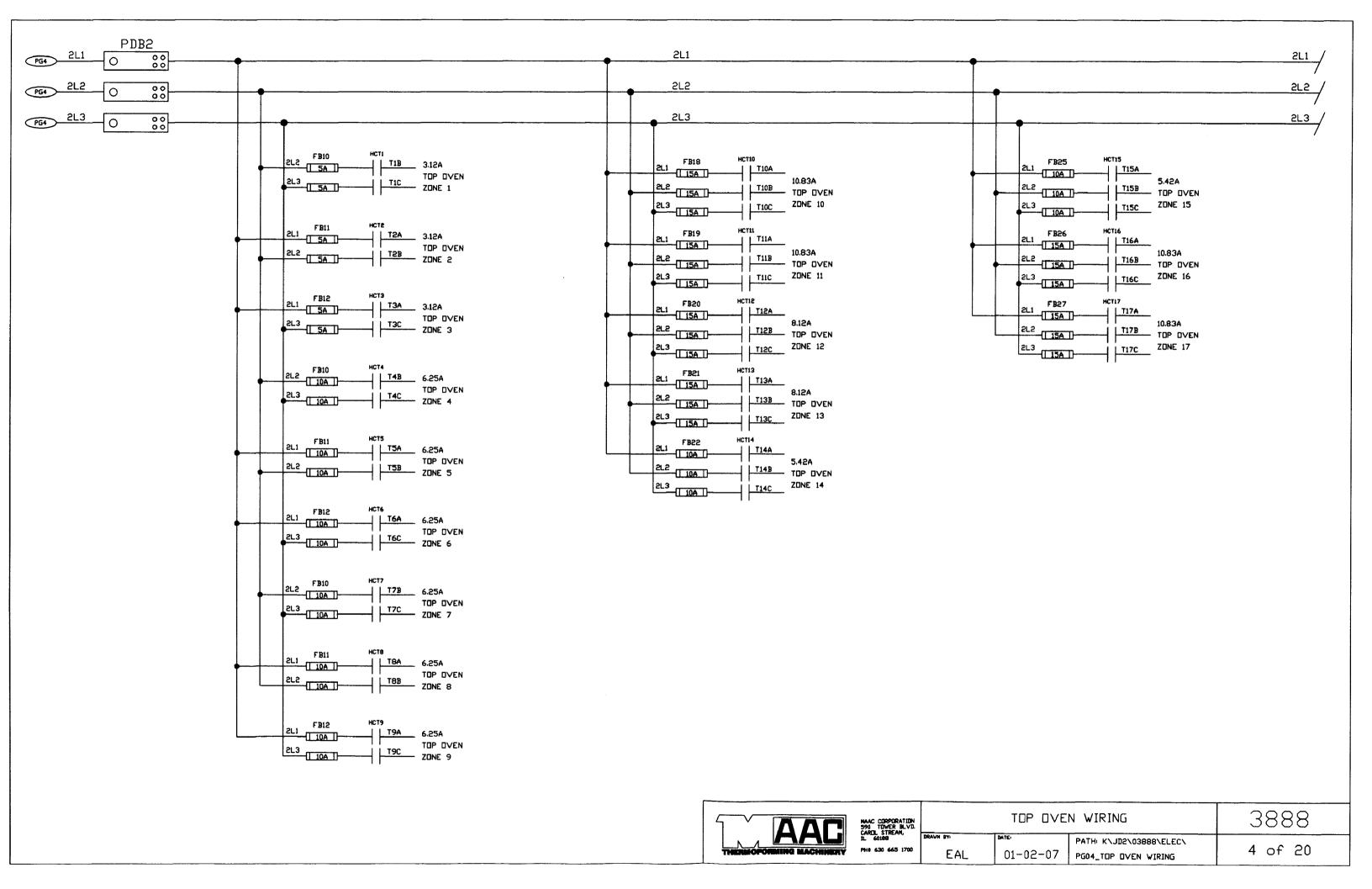
MAAC CORPORATION 590 TOWER BLVD, CAROL STREAM, IL 60188

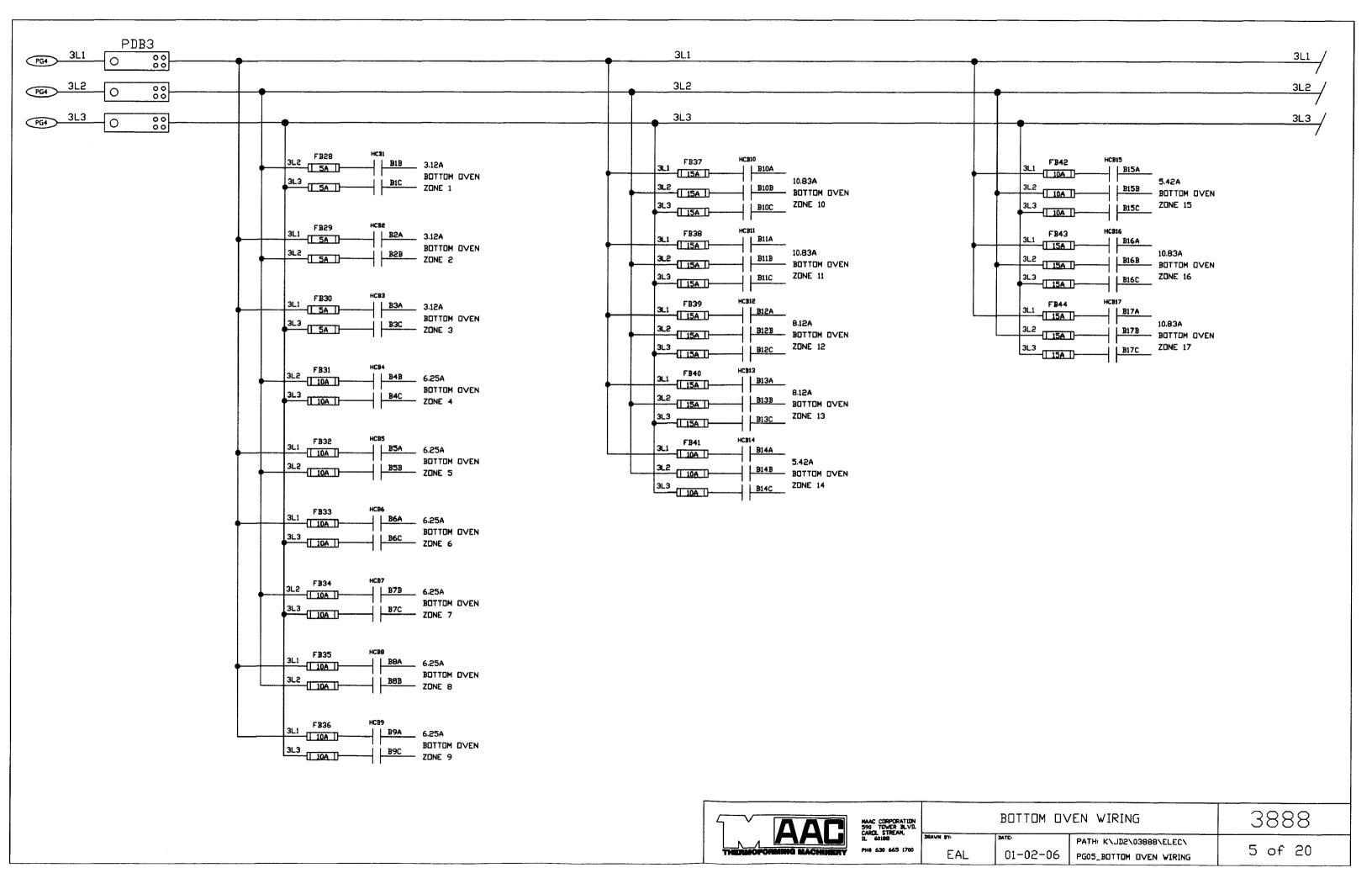
PH# 630 665 1700

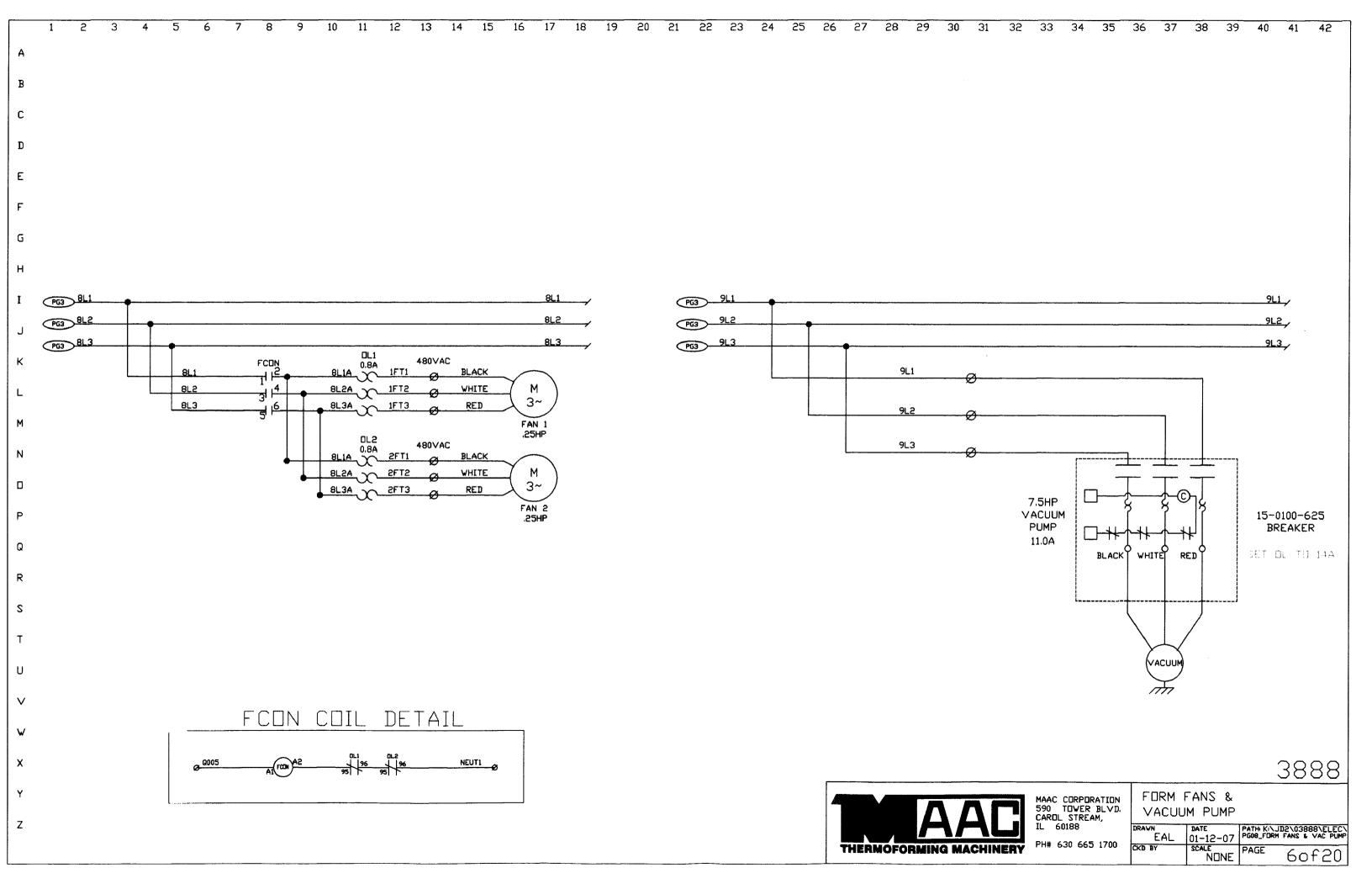
TOP OVEN LAYOUT

| DRAWN | DATE | PATH: K:\ | JD2\03888\ELEC\ |
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| EAL | 01-02-06 | PG02_TOP | OVEN LAYOUT |
| CKD BY | SCALE NONE | PAGE | 2of20 |

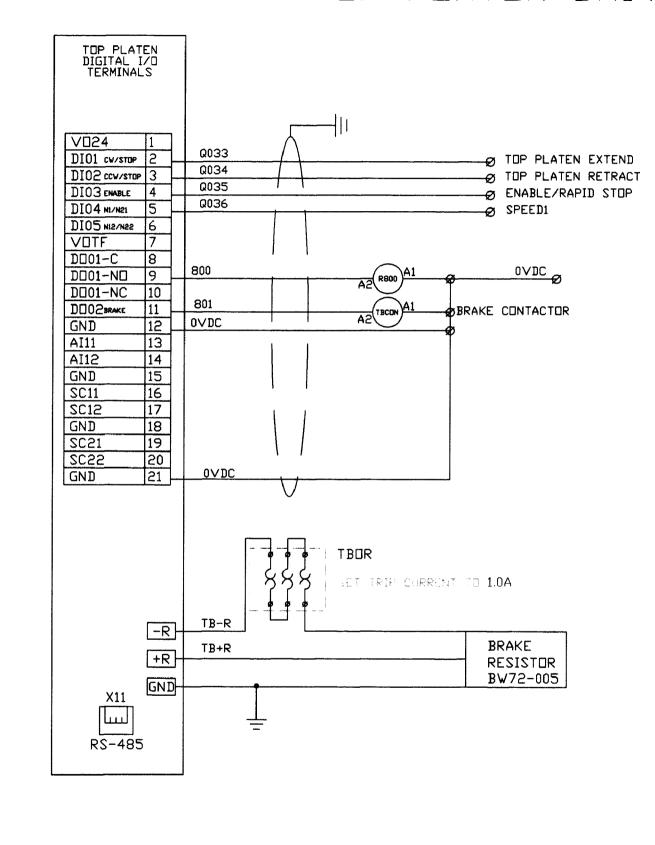


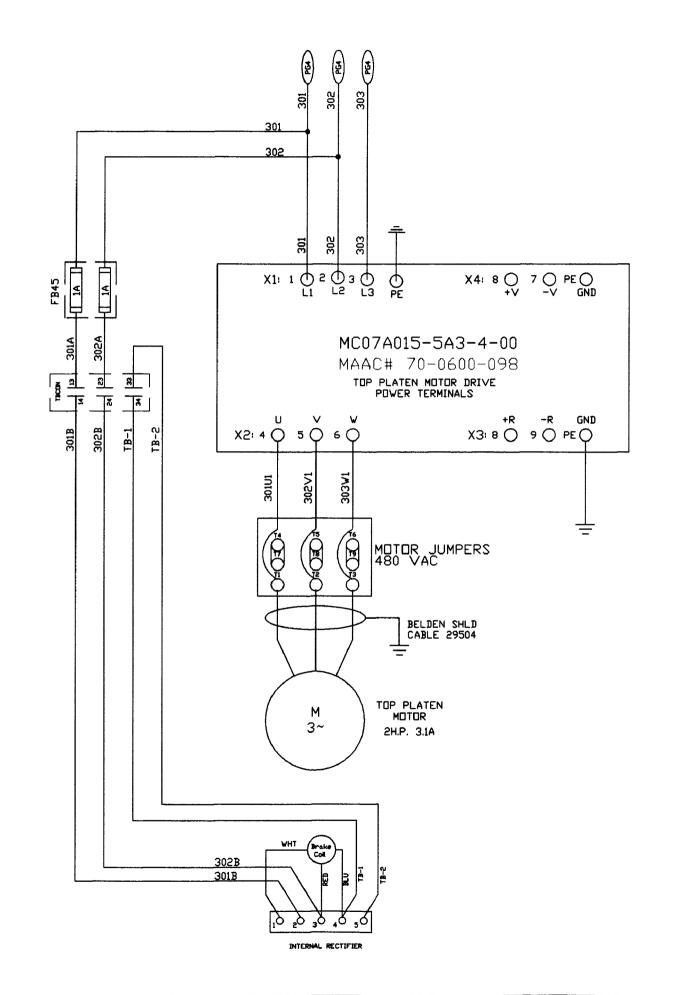






TOP PLATEN DRIVE



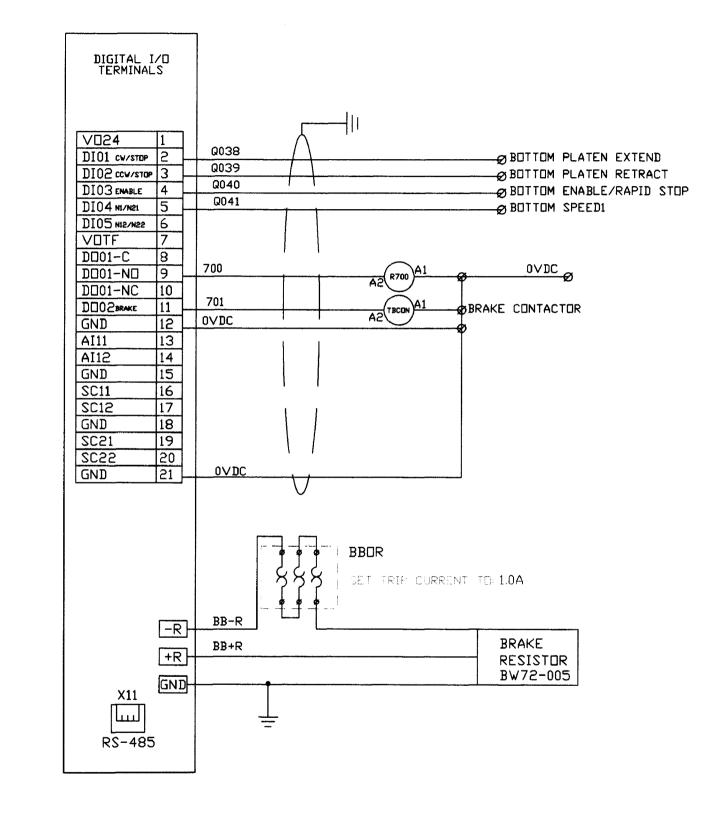


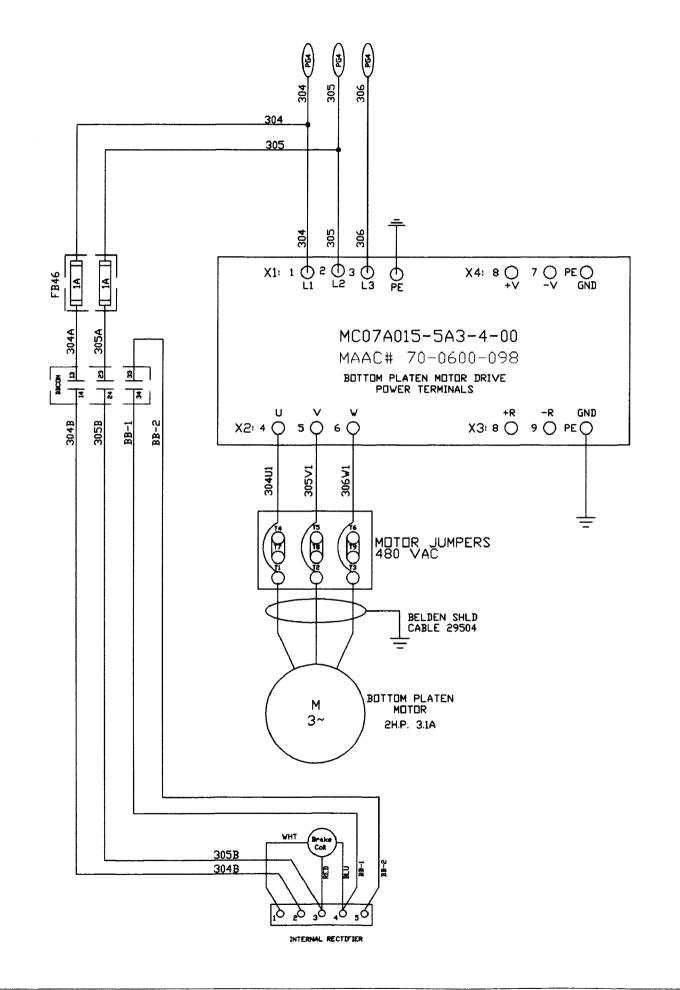




| į. | | TOP F | PLATEN DRIVE | 3 | 3888 |
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| | DRAWN BY: | DATE: | PATH: K\JD2\03888\ELEC\ | | ^ ^^ |
| | EAL | 01-04-07 | PG07_TOP PLATEN DRIVE | / | of 20 |

BOTTOM PLATEN DRIVE



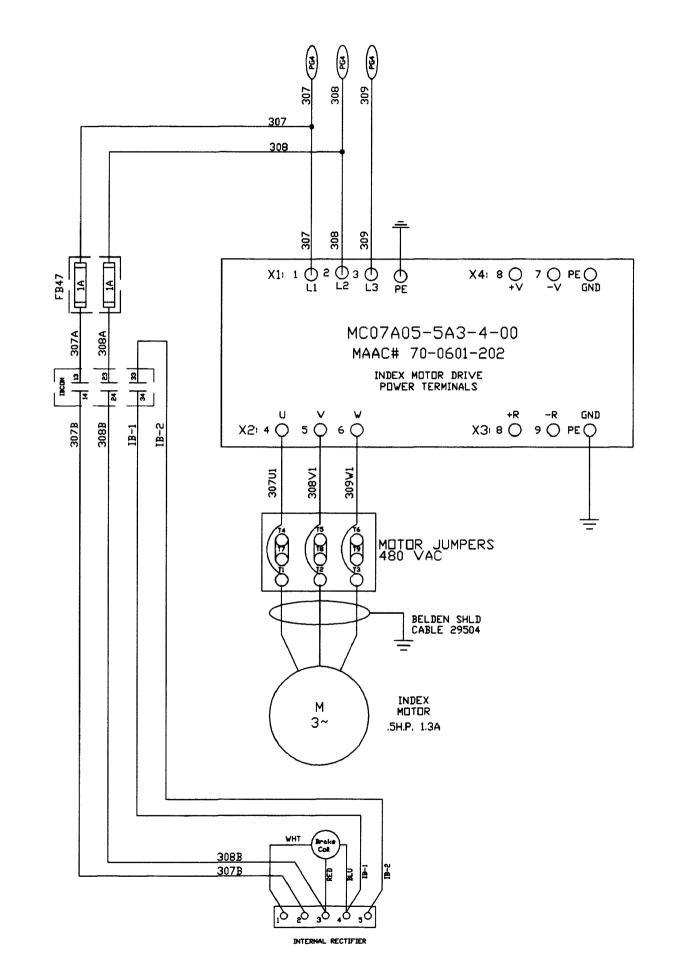


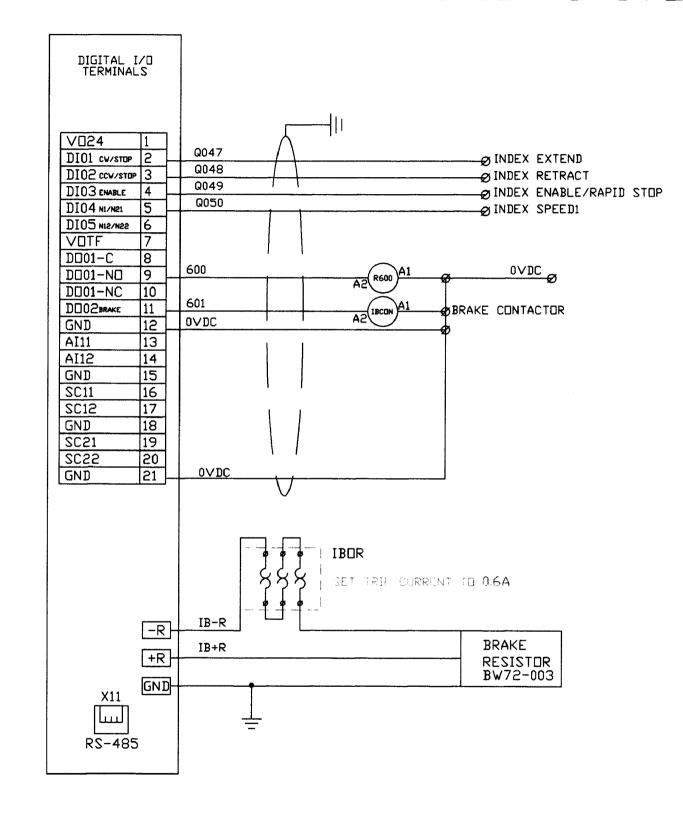




| | BOTTOM PL | ATEN DRIVE | 3888 |
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| DRAWN BY | DATE: | PATH: K\JD2\03888\ELEC\ | 0 0 00 |
| EAL | 01-04-06 | PG08_BOTTOM PLATEN DRIVE | 8 of 20 |

INDEX DRIVE



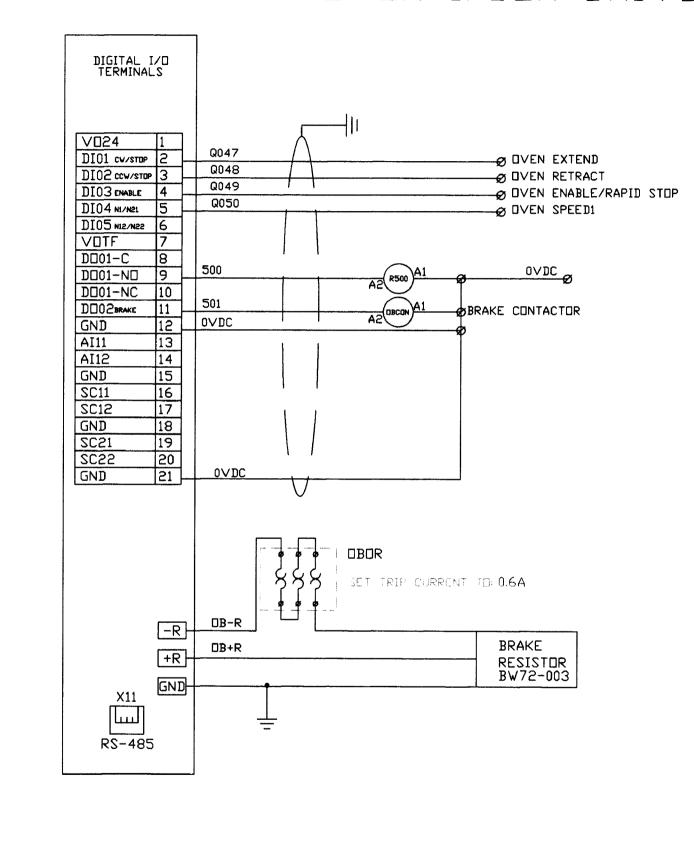


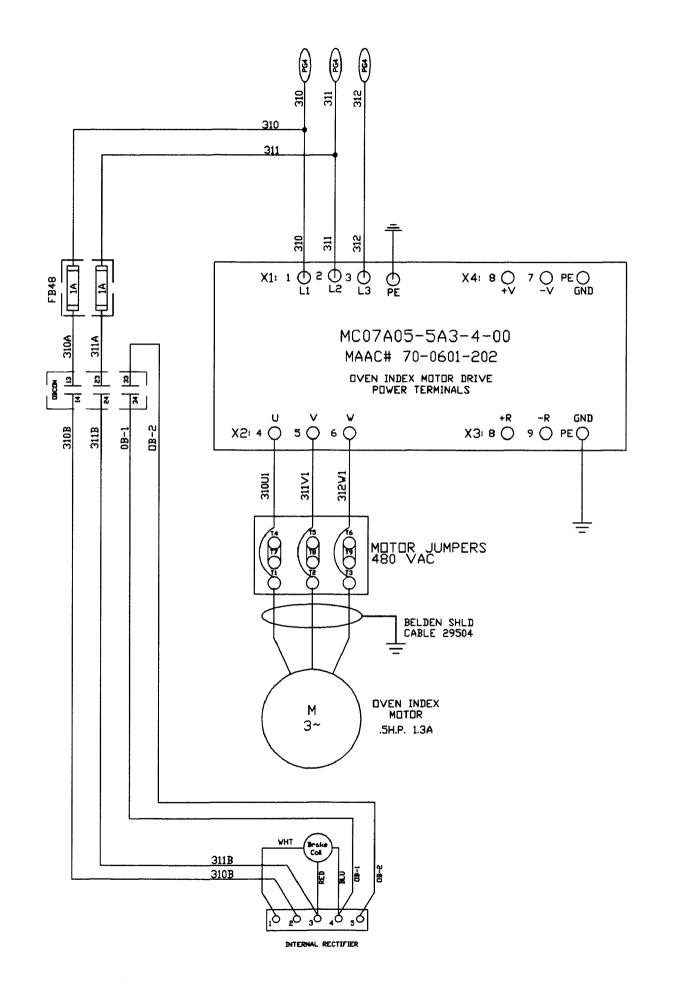


| MAAC CORPORATION 590 TOWER BLVD. CAROL STREAM, | |
|--|---|
| IL 60188 | Ē |
| PH# 630 665 1700 | |

| | INDEX | DRIVE | 3 | 888 | |
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| DRAWN BY: | BATE | PATH: K\JD2\03888\ELEC\ | _ | | _ |
| EAL | 01-04-06 | PG9_INDEX DRIVE | 9 | of 20 | |

OVEN INDEX DRIVE

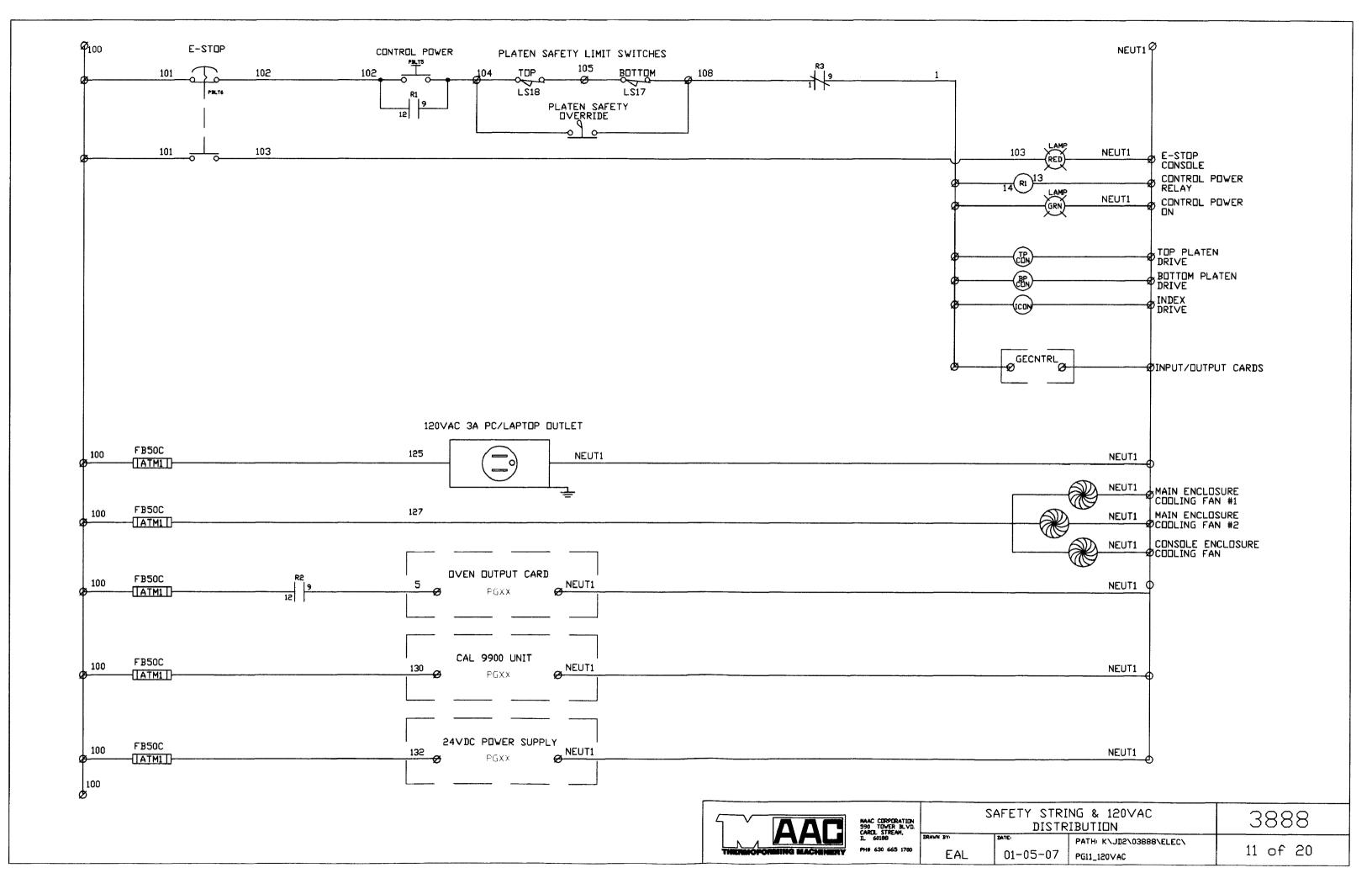


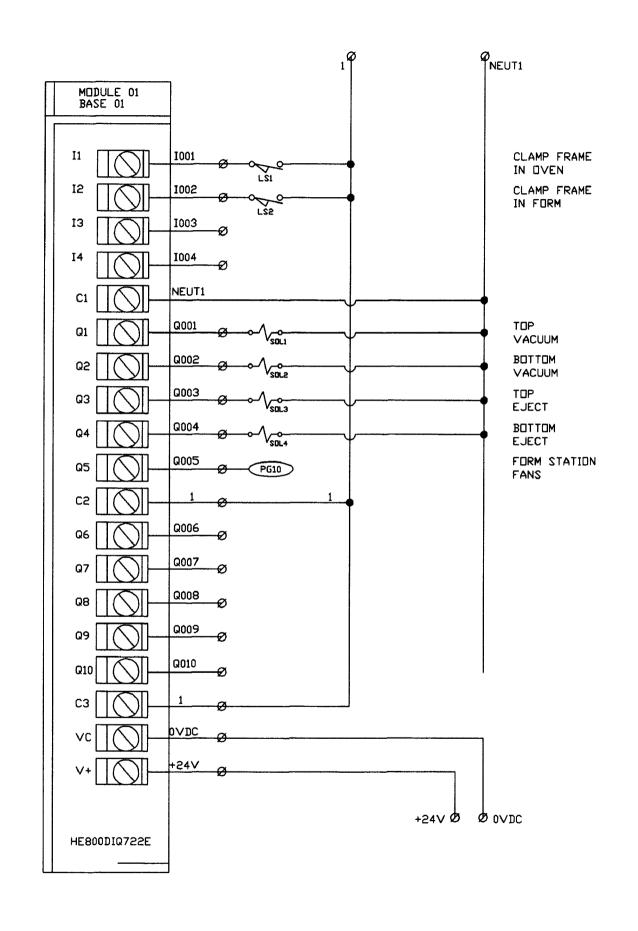


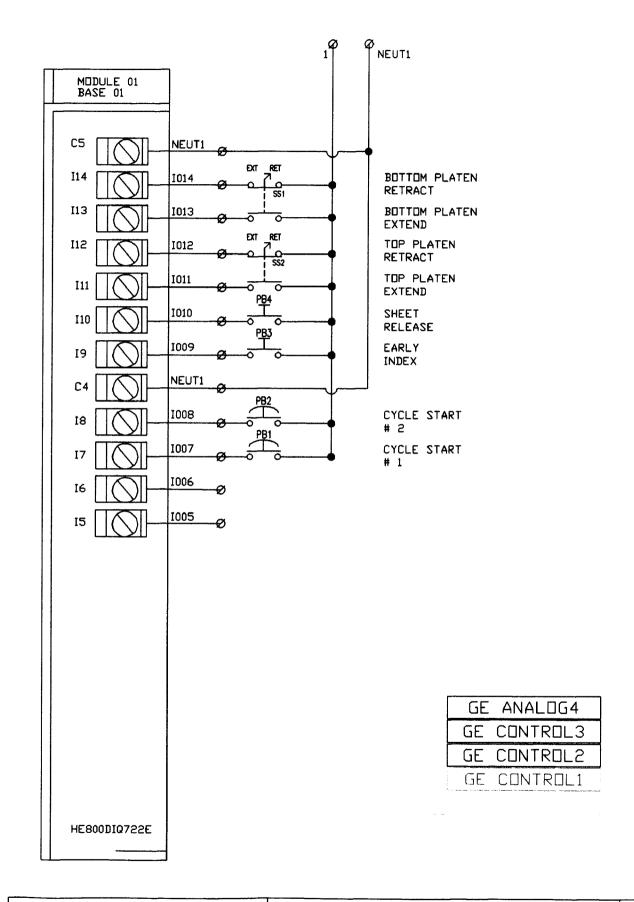




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| DRAWN BY | DATE | PATH: K\JD2\03888\ELEC\ | 10 0 00 |
| EAL | 01-04-06 | PG10_DVEN INDEX DRIVE | 10 of 20 |











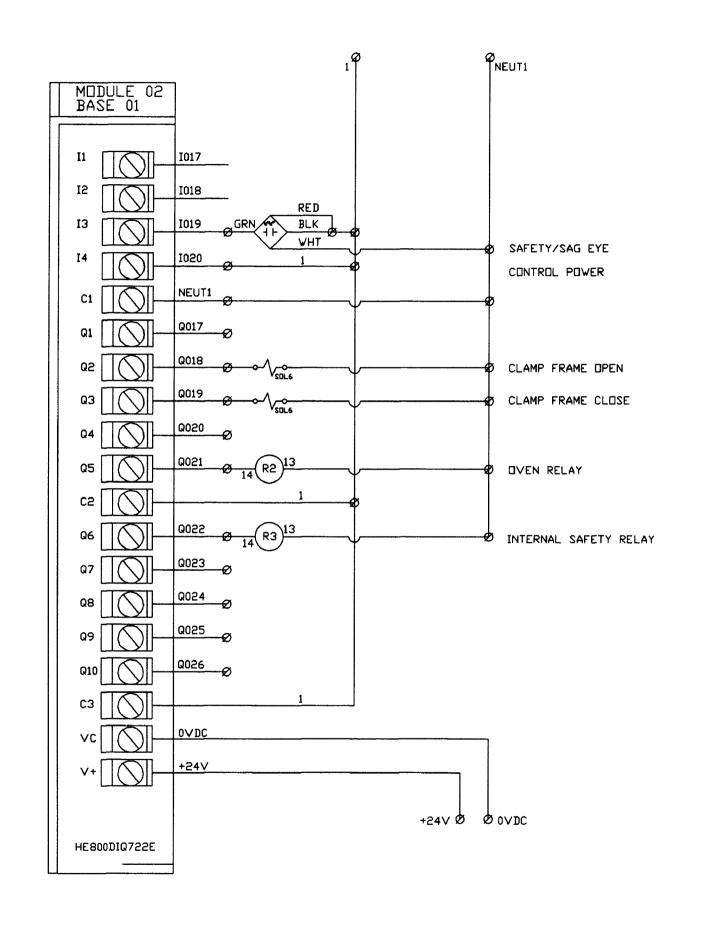
| DATE | ATH: K\JD2\03888\ELEC\ |
|-------|------------------------|
| DATE: | |

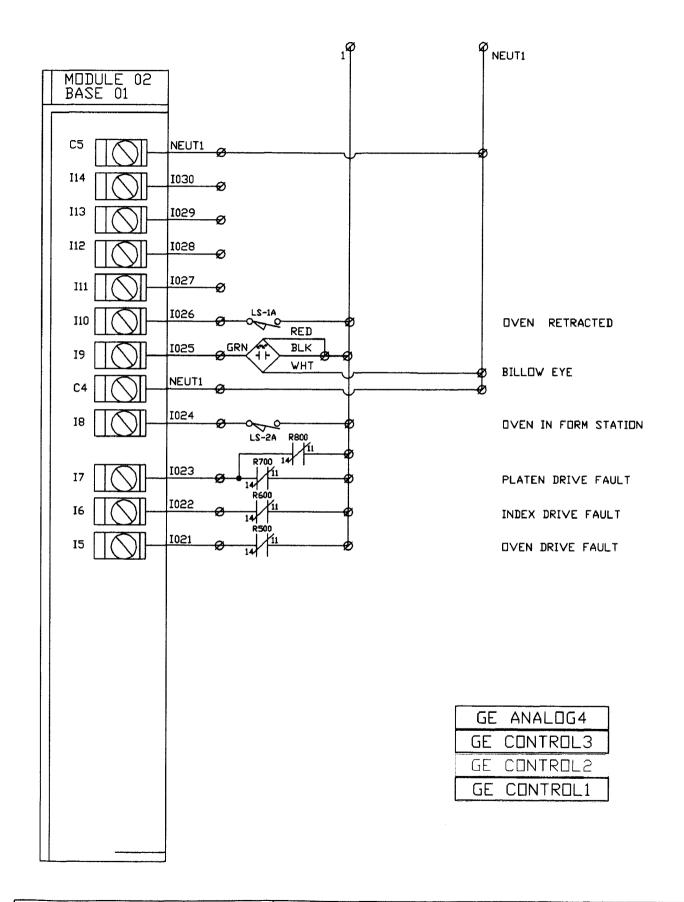
PG12_GE CONTROL1

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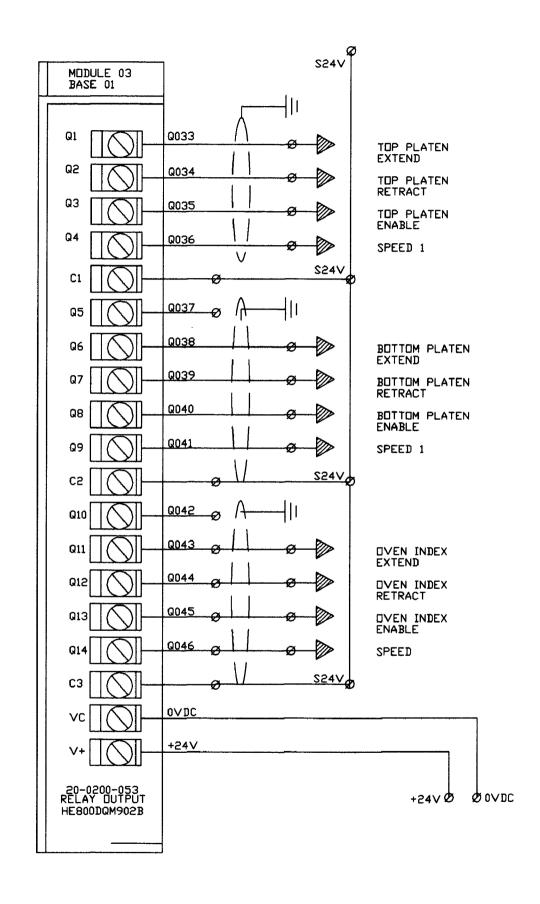
EAL 01-12-07

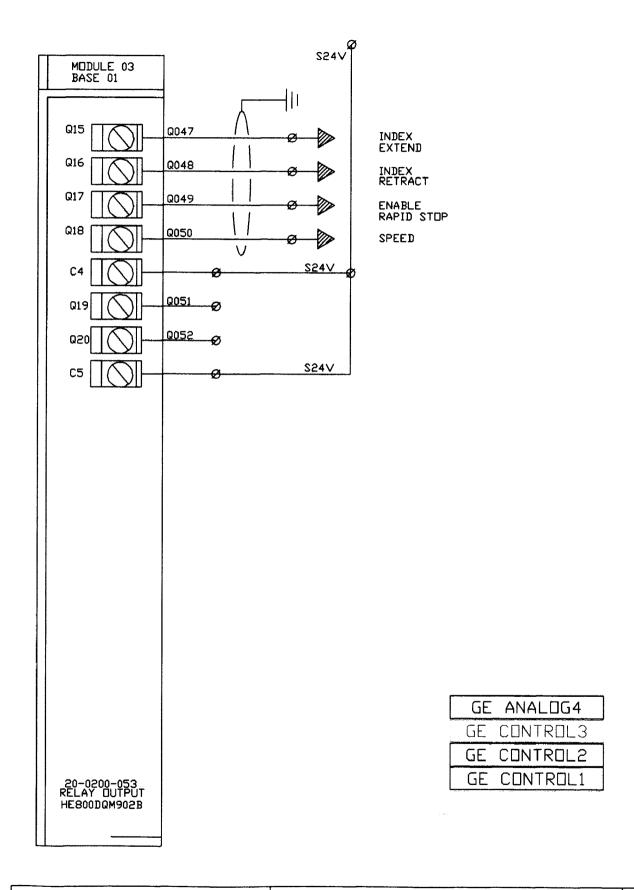
12 of 20





| AAC CORPORA 590 TOWER B CARCL STREAM I. 6088 | ION VD. | GE CI | 3888 | |
|--|------------|----------|---|----------|
| THERMOPORMING MACHINERY PHS 630 665 1 | | 01-12-07 | PATH: K\JD2\03888\ELEC\ PG13_GE CONTROL2 | 13 of 20 |



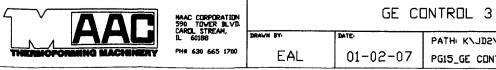


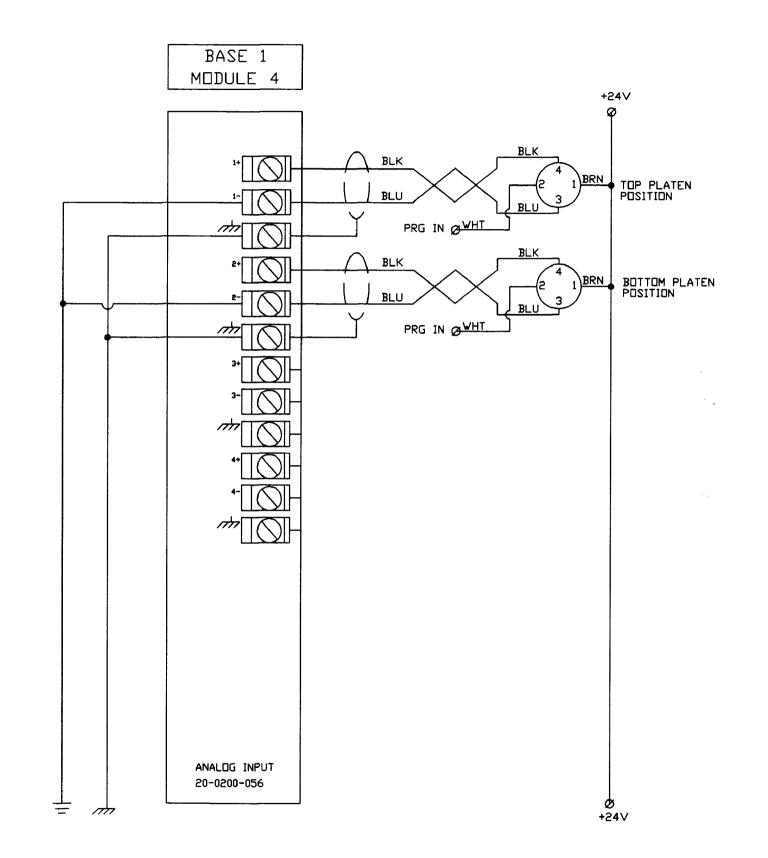
3888

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PATH: KNJD2N03888NELECN

PG15_GE CONTROL3





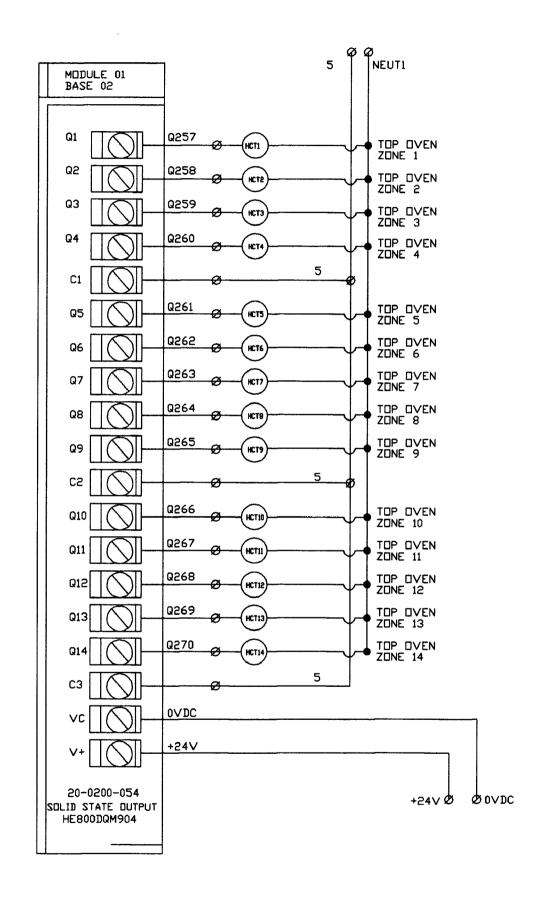
| ORIGINAL VIRE COLOR | SPLICED VIRE COLOR |
|---------------------|--------------------|
| #1 - BROWN | RED |
| #2 - WHITE | CLEAR |
| #3 - BLUE | GREEN |
| #4 - BLACK | BLACK |

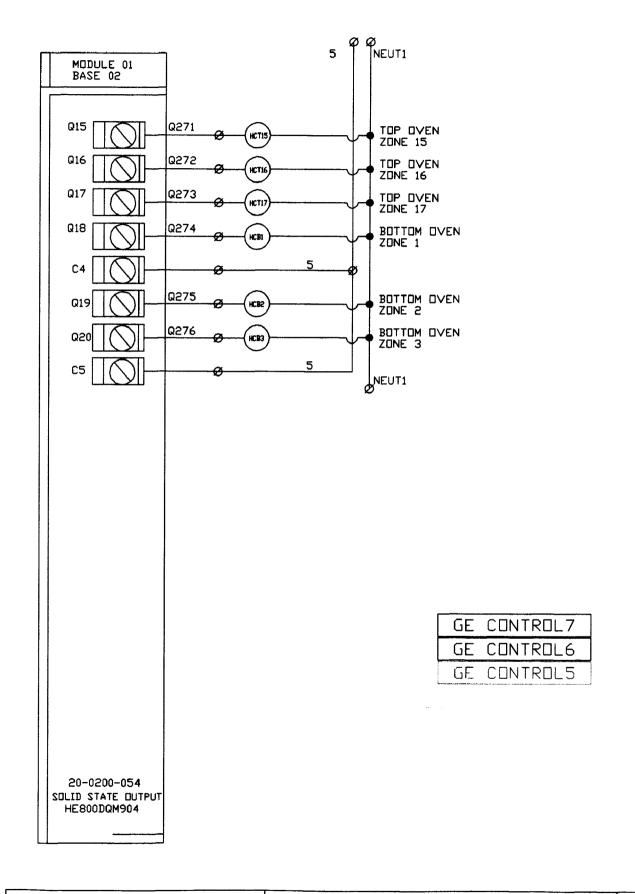
GE ANALOG4
GE CONTROL3
GE CONTROL2
GE CONTROL1

| AAL | |
|---------------------------|--|
| THE PROPOSITION MACHINERY | |
| THERMOPORMING MACHINERY | |



| | GE AI | 3888 | | |
|---------|-------------------------------|-----------------|----------|--|
| RAVN BY | N BY: PATH: K\JD2\03888\ELEC\ | | 45 000 | |
| EAL | 01-02-07 | PG16_GE ANALOG4 | 15 of 20 | |

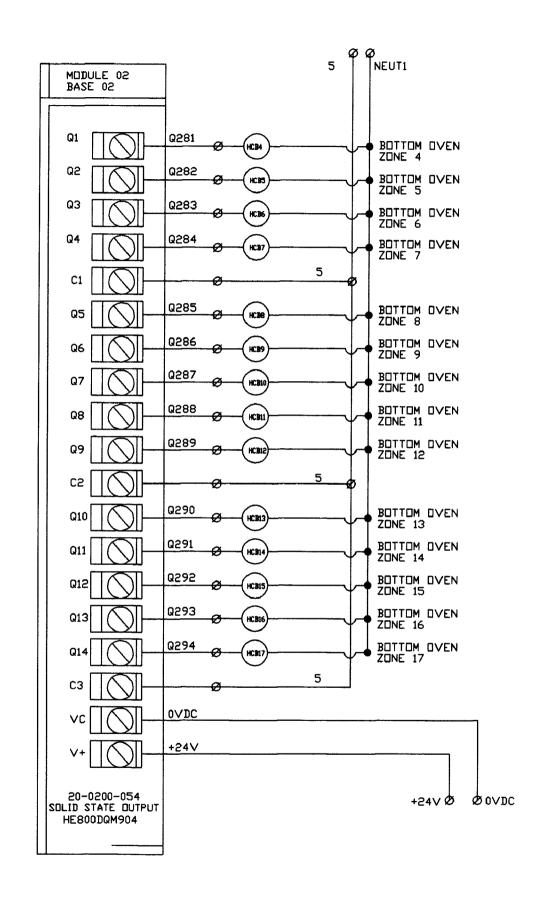


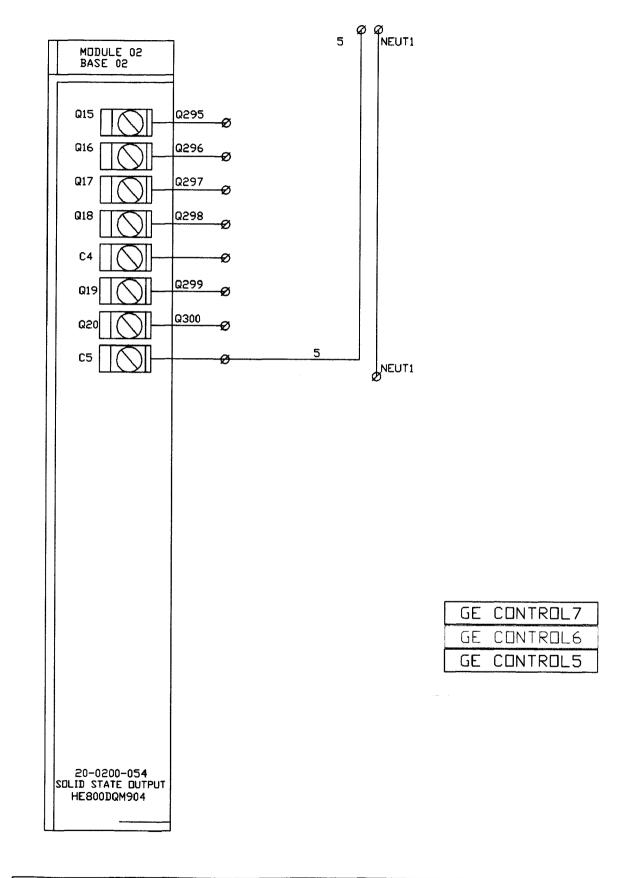


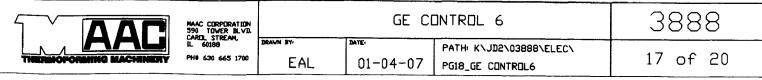


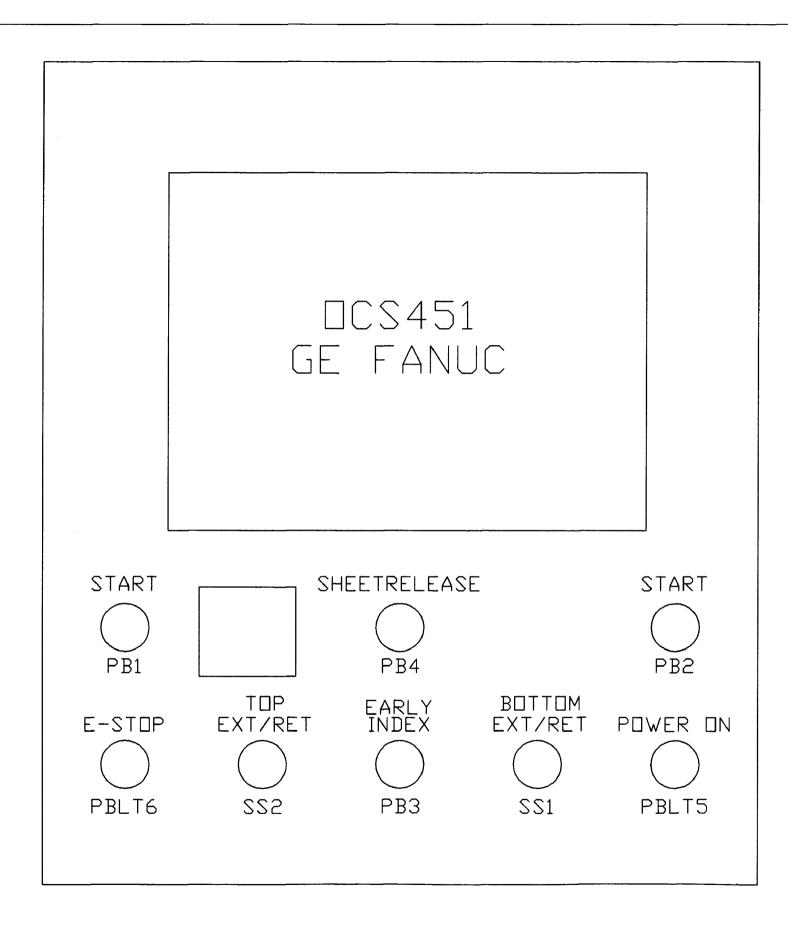


| | GE CI | 3888 | |
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| AVN BY | DATE | PATH: K\JD2\03888\ELEC\ | 4.6 |
| EAL | 01-12-07 | PG17_GE CONTROL5 | 16 of 20 |









| QTY. | INV. NO. | DESCRIPTION | FUNCTION |
|------|-------------|--|----------------|
| 1 | 20-0505-141 | BUTTON ILL PUSH PULL RED 22.5MM | E-STOP |
| 1 | 20-0505-201 | BUTTON EXT HEAD NG 22.5MM | POWER ON |
| 1 | 20-0505-411 | BUTTON 3 POS SELECTOR MOMENTARY 22.5MM | PLATEN EXT/RET |
| 1 | 20-0505-411 | BUTTON 3 POS SELECTOR MOMENTARY 22.5MM | PLATEN EXT/RET |
| i | 20-0505-311 | BUTTON FLUSH HEAD BLACK 22.5MM | EARLY INDEX |
| 1 | 20-0505-311 | BUTTON FLUSH HEAD BLACK 22.5MM | SHEET RELEASE |
| 1 | 20-0505-116 | BUTTON MUSHROOM HEAD GRN 22.5MM | START #1 |
| 1 | 20-0505-116 | BUTTON MUSHROOM HEAD GRN 22.5MM | START #2 |
| 4 | 20-0200-053 | MODULE RELAY DUTPUT 20 PT. | DUTPUT |
| 2 | 20-0200-052 | MODULE INPUT/OUTPUT A/C | INPUT/GUTPUT |
| 1 | 20-0200-049 | OPERATOR CONTROL STATION DCS451 | CONTROLLER |
| 2 | 20-0805-072 | TEMPERATURE CONTROLLER DUAL DISPLAY | INFRARED EYE |

3888



MAAC CORPORATION 590 TOWER BLVD. CAROL STREAM, IL 60188

PH# 630 665 1700

COMET CONSOLE

DRAWN DATE PATH K:\JD2\03888\ELEC\
CKD BY SCALE NONE PAGE 180f20

| FB# | DESCRIPTION | SIZE | TYPE M | FR. PART | QTY. | MAAC P | ART |
|-------|----------------------------|-----------------|-------------|----------|---------|----------|------|
| 1 | MAIN DISCONNECT | 300A | FAST ACTING | A4J300 | 3 | 15-0105- | -330 |
| 2 | TOP OVEN MAIN | 110A | FAST ACTING | A4J110 | 3 | 15-0105- | 265 |
| 3 | BOTTOM OVEN MAIN | 110A | FAST ACTING | A4J110 | 3 | 15-0105- | 265 |
| 4 | TOP PLATEN MOTOR | 6A | TIME DELAY | ATQ6 | 3 | 15-0105- | -690 |
| 5 | BOTTOM PLATEN MOTOR | 6A | TIME DELAY | ATQ6 | 3 | 15-0105- | 690 |
| 6 | INDEX | 3A | TIME DELAY | ATQ3 | 3 | 15-0105- | 684 |
| 7 | OVEN OVER | 3A_ | TIME DELAY | ATQ3 | 3 | 15-0105- | 684 |
| 8 | FANS | 3A | TIME DELAY | ATQ3 | 3 | 15-0105- | 684 |
| 9 | VACUUM PUMP | 20A | TIME DELAY | 0STLA | 2 | 15-0105- | -491 |
| 10A/B | T1 PRIMARY | 15A | FAST ACTING | AJT15 | 1 | 15-0105- | 492 |
| 10C | T1 SECONDARY | 30A | FAST ACTING | A4J30 | 1 | 15-0105- | -135 |
| 11-13 | TOP OVEN ZONES 1-3 | 5A | FAST ACTING | ATM5 | 9 | 15-0105- | 370 |
| 14-19 | TOP OVEN ZONES 4-9 | 10A | FAST ACTING | ATM10 | 18 | 15-0105- | 380 |
| 20-23 | TOP OVEN ZONES 10-13 | 15A | FAST ACTING | ATM15 | 12 | 15-0105- | -400 |
| 24-25 | TOP OVEN ZONES 14-15 | 10A | FAST ACTING | ATM10 | 6 | 15-0105- | 380 |
| 26-27 | TOP OVEN ZONES 16-17 | 15A | FAST ACTING | ATM15 | 6 | 15-0105- | -400 |
| 28-30 | BOTTOM OVEN ZONES 1-3 | 5A | FAST ACTING | ATM5 | 9 | 15-0105- | 370 |
| 31-36 | BOTTOM OVEN ZONES 4-9 | 10A | FAST ACTING | ATM10 | 18 | 15-0105- | 380 |
| 37-40 | BOTTOM OVEN ZONES 10-13 | 15A | FAST ACTING | ATM15 | 12 | 15-0105- | -400 |
| 41-42 | BOTTOM OVEN ZONES 14-15 | 10A | FAST ACTING | ATM10 | 6 | 15-0105- | 380 |
| 43-44 | BOTTOM OVEN ZONES 16-17 | 15A | FAST ACTING | ATM15 | 6 | 15-0105- | -400 |
| 45 | TOP PLATEN BRAKE RECTIFIER | 1A | TIME DELAY | ATQ1 | 2 | 15-0105- | 367 |
| | THIS DRAWING AN | THE INFORMATION | | 1 | CHART : | | 2000 |

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| DN VD. | | FUSE CHAR | 3888 | | |
|-----------|---------------------|-----------|---|-------|----|
| 00 | DRAWN BY/CHECKED BY | 01-18-06 | PATH: K\JD2\03888\ELEC\ PG20_ENCLOSURE | 19 of | 20 |

| FB# | DESCRIPTION | SIZE | TYPE | MFR. PART | QTY. | MAAC PART |
|----------|--------------------------------|---------------------------------------|-------------|-----------|------------|--------------|
| 46 | BOTTOM PLATEN BRAKE RECTIFIER | 1A | TIME DELAY | ATQ1 | 2 | 15-0105-684 |
| 47 | INDEX BRAKE RECTIFIER | 1A | TIME DELAY | ATQ1 | 2 | 15-0105-684 |
| 48 | OVEN OVER BRAKE RECTIFIER | 1A | TIME DELAY | ATQ1 | 2 | 15-0105-684 |
| 49A | POWER SUPPLY 120VAC IN | 3A | FAST ACTING | ATM3 | 1 | 15-0105-368 |
| 49B | POWER SUPPLY 24VDC OUT | 5A | FAST ACTING | ATM5 | 1 | 15-0105-370 |
| 50A | PC/LAPTOP OUTLET | 3A | FAST ACTING | ATM3 | 1 | 15-0105-368 |
| 50B | OVEN CONTROL POWER | 5A | FAST ACTING | ATM5 | 1 | 15-0105-370 |
| 50C | IR EYE CAL UNIT | 1A | FAST ACTING | ATM1 | 1 | 15-0105-XXX |
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| | 3888 | | |
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| | DATE | PATH: K\JD2\03879\ELEC\ | 00 00 |
| EAL | 01-02-07 | PG22_FUSE CHART 2 | 20 of 20 |